

GP-300996

METHOD AND APPARATUS FOR OBTAINING  
A CONSISTENT PEDAL POSITION FOR A VEHICLE  
HAVING AN ENGINE WITH DISPLACEMENT ON DEMAND

## ABSTRACT OF THE DISCLOSURE

An engine control system in a vehicle including a variable displacement internal combustion engine, an intake manifold coupled to the internal combustion engine, a throttle coupled to the intake manifold, a  
5 controller for controlling the throttle and the engine, an accelerator pedal having an accelerator pedal accelerator sensor electronically coupled to the controller, and where the controller controls the position of the throttle to maintain a substantially consistent pedal position to generate substantially the same torque for different displacements of the engine, where changes in the  
10 displacement of the engine are transparent to the operation or operator of the accelerator pedal.